

METHOD AND APPARATUS FOR REDUC- ING HOT SPOT TEMPERATURES ON STACKED FIELD WINDINGS

Abstract

A method and apparatus for a generator coil includes a plurality of stacked windings in a rotor where individual turns are stacked in parallel sided radial slots in the rotor. Each successive turn has the same width substantially corresponding to a constant width of each slot, wherein a first turn has a first thickness and a second turn has a second thickness thicker than said first thickness. The second turn is employed in regions of high temperature thereby reducing the temperature thereof.